

CLAIMS:

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1.

A color signal matrix adjustment method, comprising:

adjusting (VAC) a single first color signal matrix related value to obtain a color signal matrix adjustment; and

5 automatically adapting (AAC) at least two color signal matrix parameters other than said single first color signal matrix related value in dependence upon said color signal matrix parameter adjustment.

2. A method as claimed in claim 1, wherein said single first color signal matrix related value is a first color signal matrix parameter corresponding to a first color, said color signal matrix adjustment is an increase of said first color signal matrix parameter by an amount δ to change a reproduction of said first color, and said automatically adapting step includes multiplying all color matrix parameters corresponding to colors other than said first color by a factor $(\Sigma X + \delta) / \Sigma X$, in which ΣX is a sum of color signal matrix parameters corresponding to said first color, to maintain a white reproduction to a large extent.

3. A method as claimed in claim 1, wherein said single first color signal matrix related value is a sum ΣX of color signal matrix parameters corresponding to a first color, said color signal matrix adjustment is an increase of said sum ΣX of color signal matrix parameters by an amount δ to change a reproduction of both said first color and white, and said automatically adapting step includes multiplying all color matrix parameters corresponding to said first color by a factor $(\Sigma X + \delta) / \Sigma X$ to maintain a ratio between said color matrix parameters corresponding to said first color.

4. A method as claimed in claim 1, wherein said single first color signal matrix related value is a sum ΣX of color signal matrix parameters corresponding to a first color, said color signal matrix adjustment is an increase of said sum ΣX of color signal matrix parameters by an amount δ to change color signal amplitudes, and said automatically adapting step
5 includes multiplying all color matrix parameters by a factor $(\Sigma X + \delta) / \Sigma X$ to maintain a reproduction of both said first color and white.

5. A color signal matrix adjustment device (AAC, VAC, CC), comprising:
means (VAC) for adjusting a single first color signal matrix related value to
10 obtain a color signal matrix adjustment; and
means (AAC) for automatically adapting at least two color signal matrix parameters other than said single first color signal matrix related value in dependence upon said color signal matrix parameter adjustment.

15 6. A color camera, comprising:
a color sensor (S) for producing input color signals (R_i, G_i, B_i); and
a color signal matrix adjustment device (AAC, VAC, CC) as claimed in claim 5 for adjusting said input color signals (R_i, G_i, B_i) to obtain output color signals (R_o, G_o, B_o).

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